

Vermont Mental Health Performance Indicator Project

DDMHS, Weeks Building, 103 South Main Street, Waterbury, VT 05671-1601 (802-241-2638)

MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani and Monica Simon

DATE: December 6, 2002

RE: Access to Adult Mental Health Services: Age and Gender Groups FY1999-2002

This week's PIP is the third in a series that examine levels of access to community-based mental health services in Vermont's ten service areas during FY1999-2002. Reports on access to children's services were distributed earlier this year (www.state.vt.us/dmh/Data/PIPs/2002/pip092702.pdf; www.state.vt.us/dmh/Data/PIPs/2002/pip112902.pdf). The attached pages provide information on variation in access to care (as indicated by per-capita utilization rates) for adult mental health programs (including Adult Mental Health Outpatient and Community Rehabilitation Programs) in each of Vermont's ten mental health service areas. This information is provided overall and for adults in specified age and gender groups in each service area. The information is provided in tabular and spider diagram formats for each year as specified in the Recommendations of the PIP Advisory Group (www.state.vt.us/dmh/Data/PIPs/pipsrecommendedbyadvisorygrp.htm). In addition, graphs designed to identify any changes in access to care during this four-year period are provided for each provider as a whole and for each demographic group in each service area. Census 2000 population figures are used for each of the years under examination. Among the attachments, the historical graphs are first, the "spider diagrams" are second, and the detailed tables are last.

As you will see, the statewide utilization rate for adult mental health programs in Vermont remained constant with 2.2% of all adult residents receiving community mental health services throughout this period. The variation also remained constant within each agency across this four-year period. There were however differences among regions in adult utilization rates. During FY2002, Bennington (UCS) and Addison (CSAC) Counties had the highest utilization rate (3.8% and 3.6% respectively) and Chittenden County (HCHS) had the lowest (1.2%).

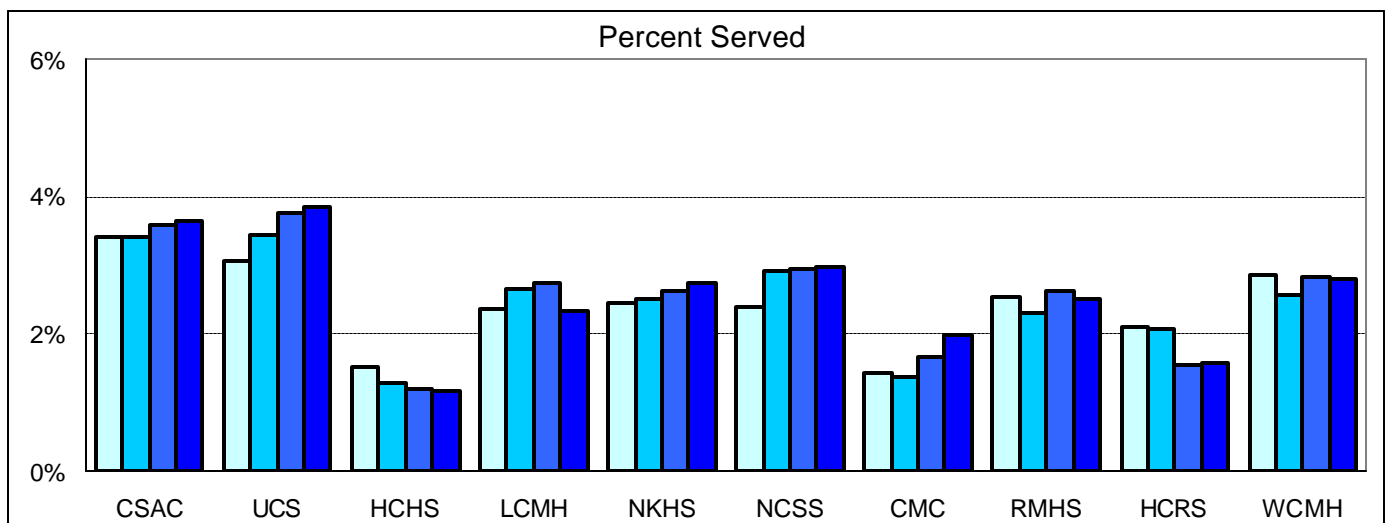
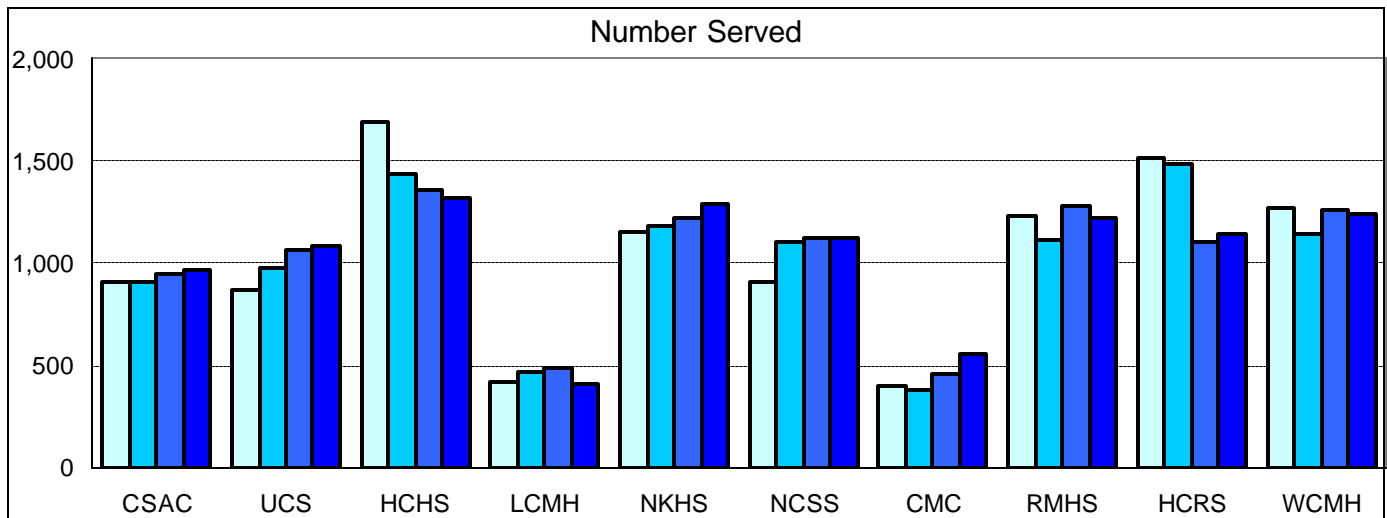
CMHC utilization rates for women were greater than utilization rates for men (2.6% vs. 1.9% in FY2002), statewide. This discrepancy, however, was not evident in Chittenden County (HCHS) or in Orange County (CMC), where men and women were served at similar rates.

Statewide, FY2002 CMHC utilization rates for older adults (65 years and older) were lower than utilization rates for adults under 50 years of age (2.5% vs. 1.5% in FY2002). Utilization rates for specific age groups, however, varied among regions of the state. More than 3% of all older adults in Bennington County (UCS) were served by their local CMHC, while less than 1% of older adults in Chittenden and Orange Counties (HCHS and CMC) and in Southeastern

Vermont (HCRS) were served by their local CMHC. Utilization rates for young adults (18-34 years) ranged from 5% in Bennington County (UCS) to 1.1% in Chittenden County (HCHS).

We look forward to your interpretation of these findings as well as your questions, and suggestions for further analysis to pip@ddmhs.state.vt.us or 802-241-2638. A report on access to care for four special populations of adults will be distributed next week.

**Overall
Access to Adult Mental Health Programs
Number and Percent Served
By Region, Vermont: FY1999 - FY2002**

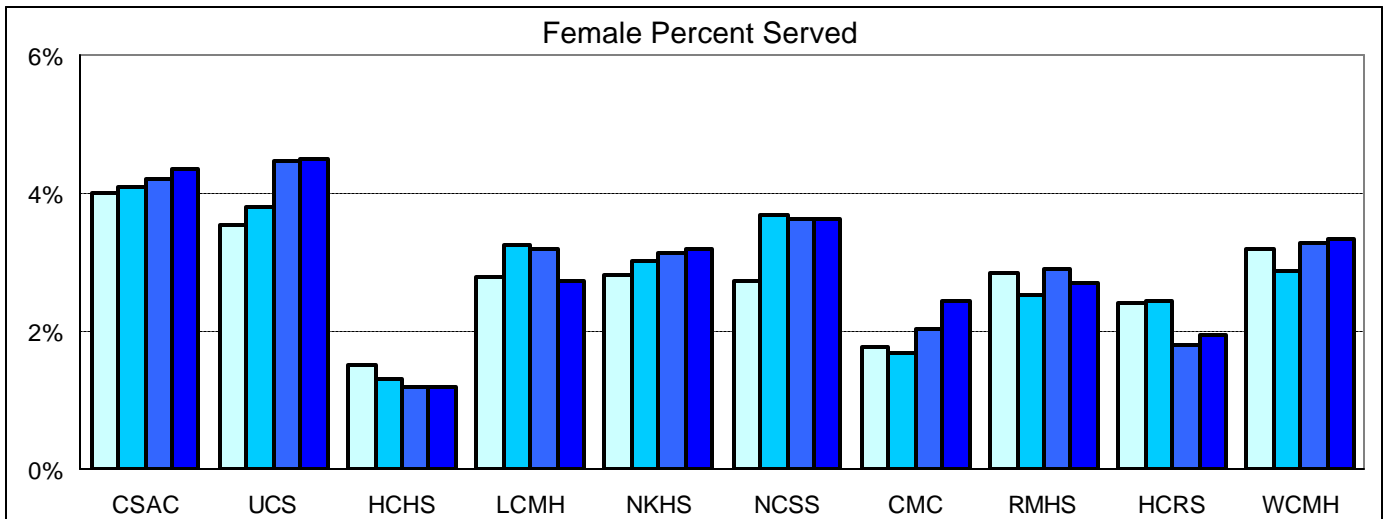
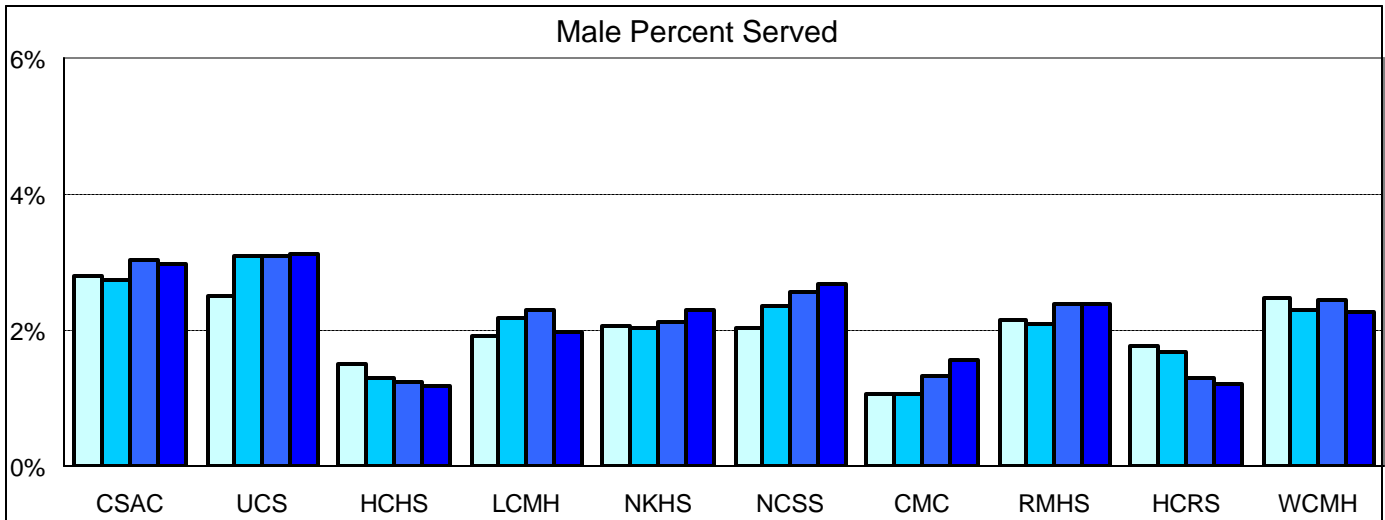


FY	Number Served									
	CSAC Addison	UCS Bennington	HCHS Chittenden	LCMH Lamoille	NKHS Northeast	NCSS Northwest	CMC Orange	RMHS Rutland	HCRS Southeast	WCMH Washington
1999	904	864	1,689	416	1,148	905	393	1,228	1,513	1,263
2000	904	974	1,439	466	1,177	1,100	380	1,115	1,486	1,145
2001	949	1,061	1,357	481	1,222	1,119	455	1,280	1,106	1,259
2002	965	1,082	1,320	410	1,283	1,123	549	1,223	1,142	1,239

FY	Percent Served									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	3.4%	3.1%	1.5%	2.4%	2.5%	2.4%	1.4%	2.5%	2.1%	2.8%
2000	3.4%	3.4%	1.3%	2.6%	2.5%	2.9%	1.4%	2.3%	2.1%	2.6%
2001	3.6%	3.8%	1.2%	2.7%	2.6%	3.0%	1.7%	2.6%	1.5%	2.8%
2002	3.6%	3.8%	1.2%	2.3%	2.7%	3.0%	2.0%	2.5%	1.6%	2.8%

Analysis is based on Monthly Service Reports submitted to DDMHS by the designated agencies and includes adults 18 and over who were assigned to Community Rehabilitation and Treatment and Adult Outpatient Programs.

Gender
Access to Adult Mental Health Programs
Percent Served
By Region, Vermont: FY1999 - FY2002

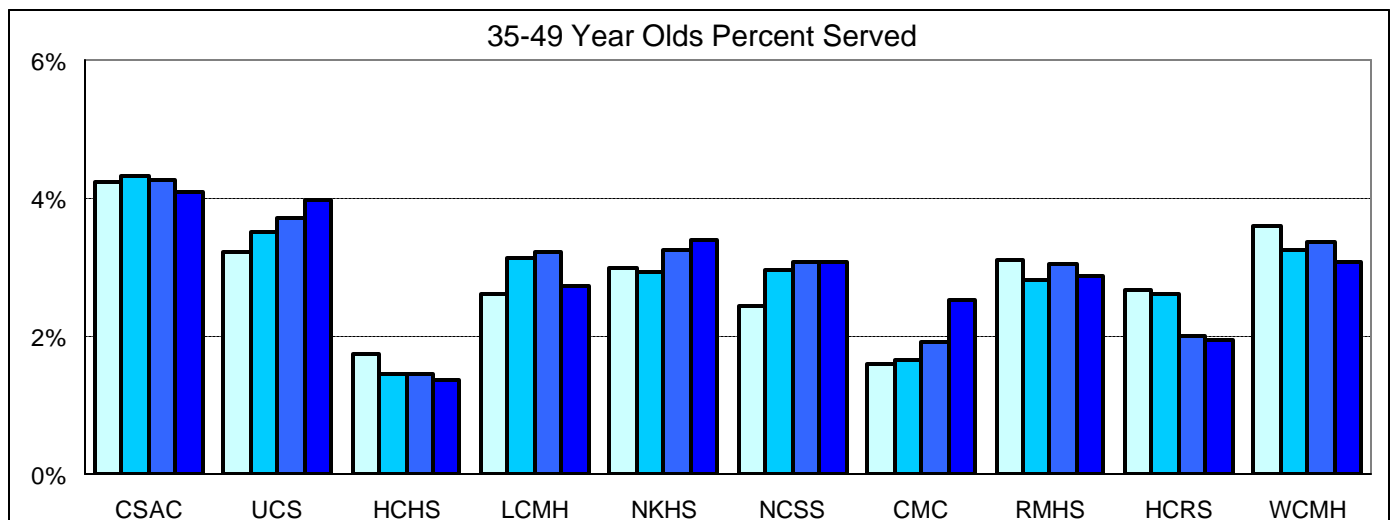
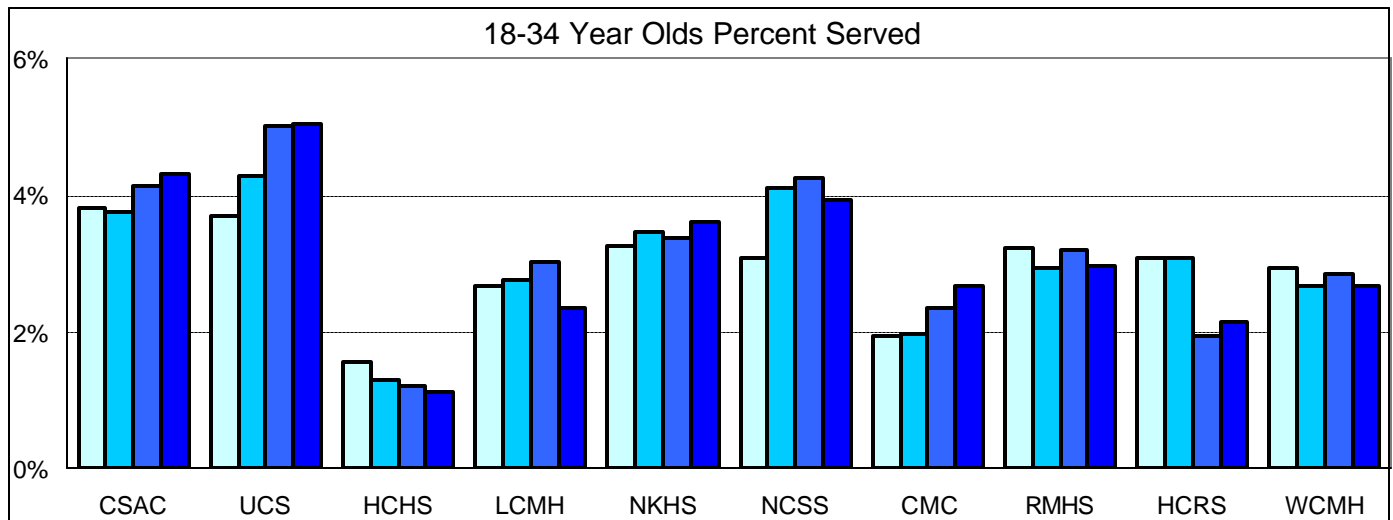


FY	Male									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	2.8%	2.5%	1.5%	1.9%	2.1%	2.0%	1.1%	2.2%	1.8%	2.5%
2000	2.7%	3.1%	1.3%	2.2%	2.0%	2.3%	1.1%	2.1%	1.7%	2.3%
2001	3.0%	3.1%	1.2%	2.3%	2.1%	2.6%	1.3%	2.4%	1.3%	2.4%
2002	3.0%	3.1%	1.2%	2.0%	2.3%	2.7%	1.6%	2.4%	1.2%	2.3%

FY	Female									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	4.0%	3.5%	1.5%	2.8%	2.8%	2.7%	1.8%	2.9%	2.4%	3.2%
2000	4.1%	3.8%	1.3%	3.3%	3.0%	3.7%	1.7%	2.5%	2.5%	2.9%
2001	4.2%	4.5%	1.2%	3.2%	3.1%	3.6%	2.0%	2.9%	1.8%	3.3%
2002	4.4%	4.5%	1.2%	2.7%	3.2%	3.6%	2.4%	2.7%	1.9%	3.3%

Analysis is based on Monthly Service Reports submitted to DDMHS by the designated agencies and includes adults 18 and over who were assigned to Community Rehabilitation and Treatment and Adult Outpatient Programs.

**18-34 and 35-49 Year Olds
Access to Adult Mental Health Programs
Percent Served
By Region, Vermont: FY1999 - FY2002**

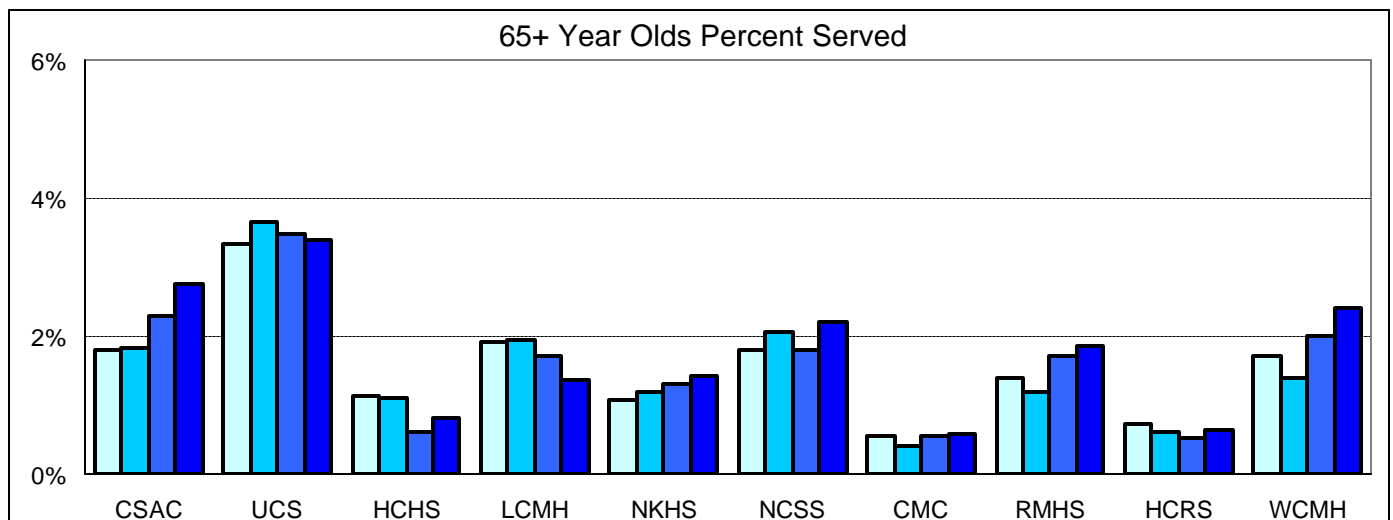
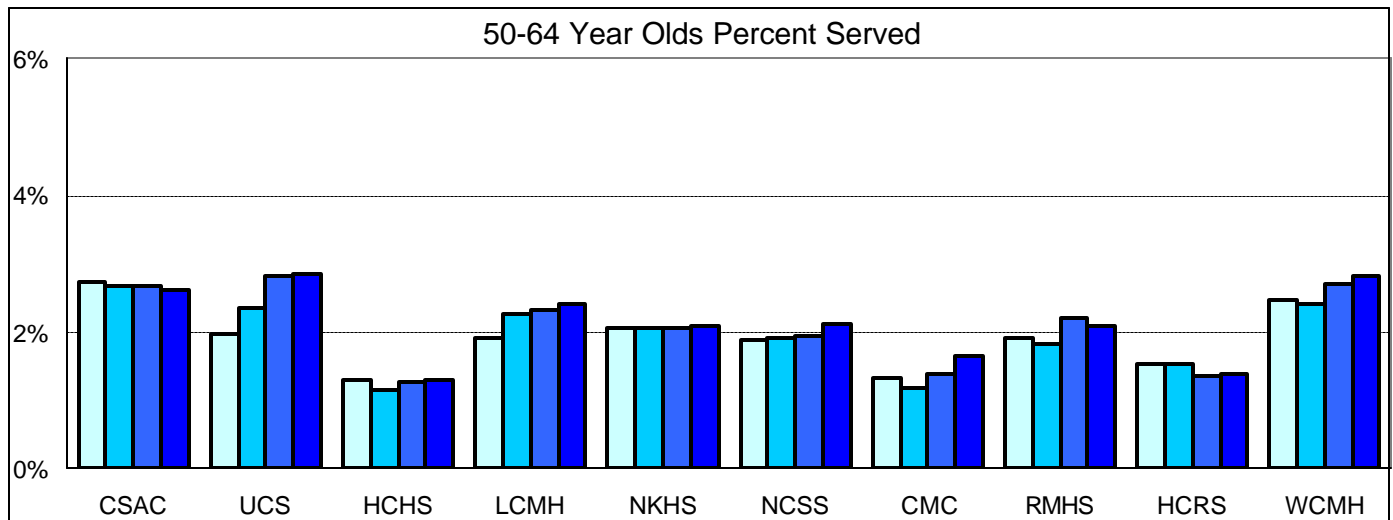


FY	18-34 Year Olds									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	3.8%	3.7%	1.6%	2.7%	3.3%	3.1%	1.9%	3.2%	3.1%	2.9%
2000	3.7%	4.3%	1.3%	2.8%	3.5%	4.1%	2.0%	2.9%	3.1%	2.7%
2001	4.1%	5.0%	1.2%	3.0%	3.4%	4.2%	2.4%	3.2%	1.9%	2.8%
2002	4.3%	5.0%	1.1%	2.3%	3.6%	3.9%	2.7%	3.0%	2.1%	2.7%

FY	35-49 Year Olds									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	4.2%	3.2%	1.7%	2.6%	3.0%	2.4%	1.6%	3.1%	2.7%	3.6%
2000	4.3%	3.5%	1.4%	3.1%	2.9%	2.9%	1.6%	2.8%	2.6%	3.2%
2001	4.3%	3.7%	1.4%	3.2%	3.2%	3.1%	1.9%	3.0%	2.0%	3.3%
2002	4.1%	4.0%	1.3%	2.7%	3.4%	3.1%	2.5%	2.9%	1.9%	3.1%

Analysis is based on Monthly Service Reports submitted to DDMHS by the designated agencies and includes adults 18 and over who were assigned to Community Rehabilitation and Treatment and Adult Outpatient Programs.

**50-64 and 65+ Year Olds
Access to Adult Mental Health Programs
Percent Served
By Region, Vermont: FY1999 - FY2002**

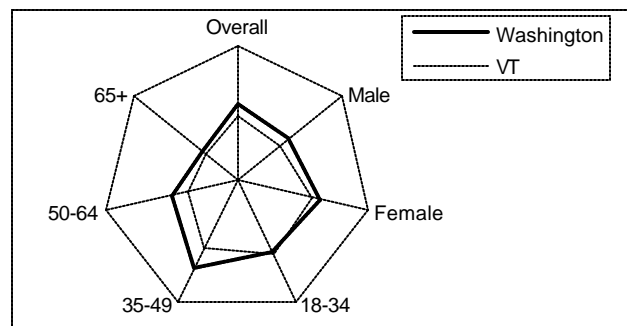
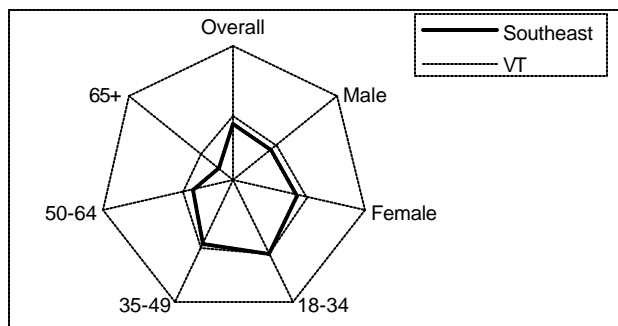
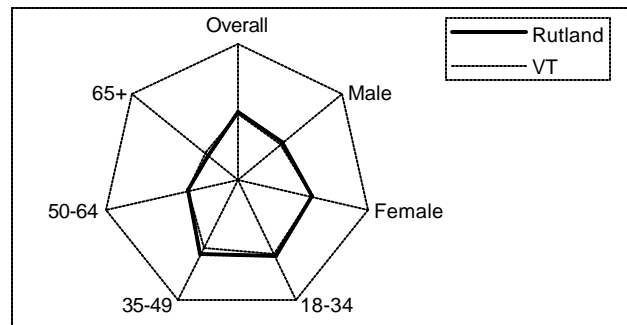
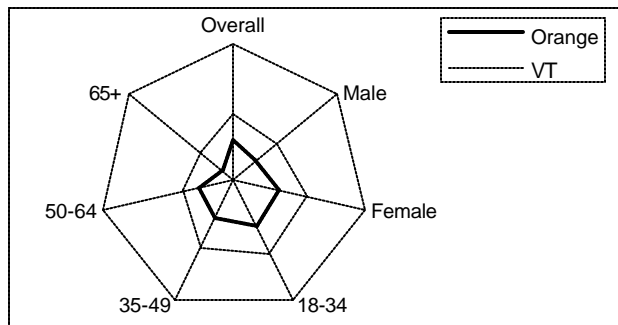
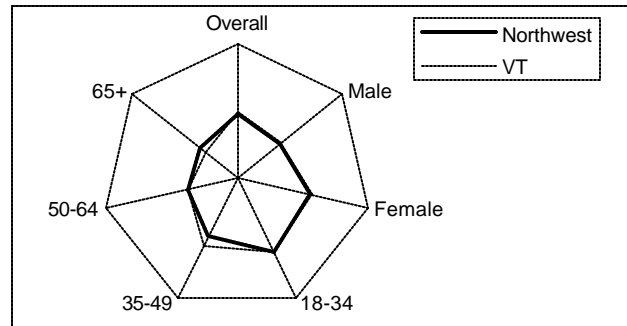
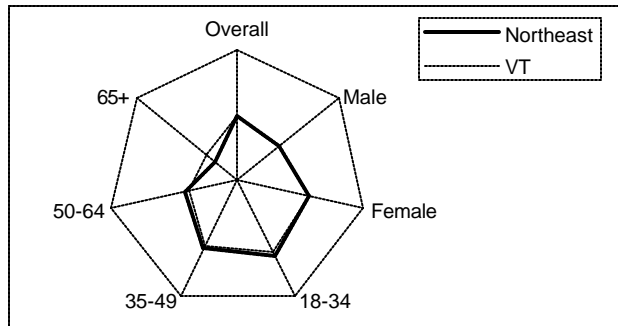
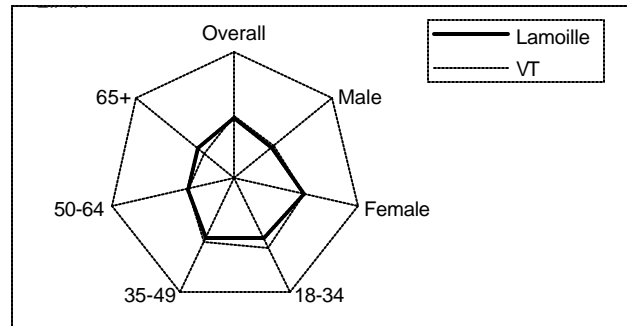
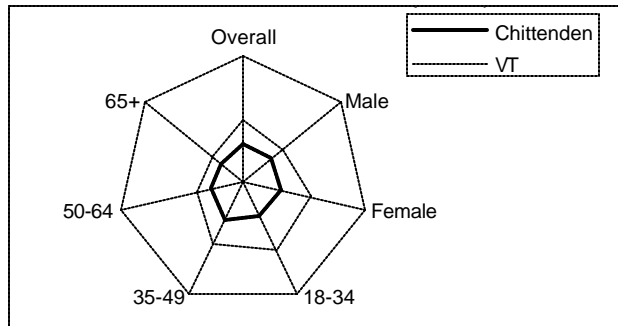
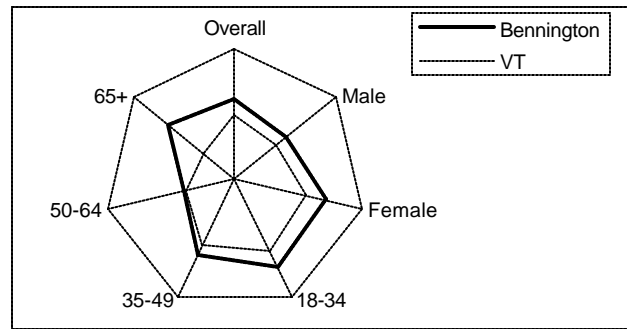
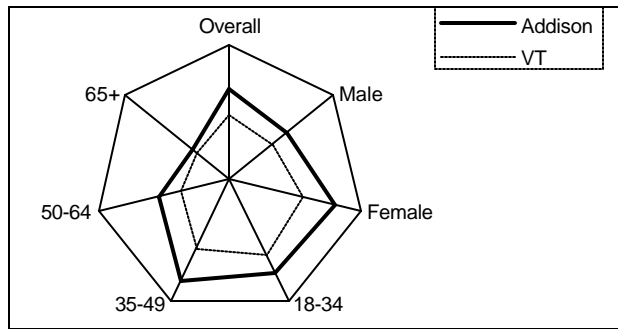


FY	50-64 Year Olds									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	2.7%	2.0%	1.3%	1.9%	2.1%	1.9%	1.3%	1.9%	1.5%	2.5%
2000	2.7%	2.3%	1.1%	2.3%	2.1%	1.9%	1.2%	1.8%	1.5%	2.4%
2001	2.7%	2.8%	1.3%	2.3%	2.1%	2.0%	1.4%	2.2%	1.4%	2.7%
2002	2.6%	2.8%	1.3%	2.4%	2.1%	2.1%	1.6%	2.1%	1.4%	2.8%

FY	65+ Year Olds									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	1.8%	3.3%	1.1%	1.9%	1.1%	1.8%	0.5%	1.4%	0.7%	1.7%
2000	1.8%	3.6%	1.1%	1.9%	1.2%	2.0%	0.4%	1.2%	0.6%	1.4%
2001	2.3%	3.5%	0.6%	1.7%	1.3%	1.8%	0.5%	1.7%	0.5%	2.0%
2002	2.7%	3.4%	0.8%	1.4%	1.4%	2.2%	0.6%	1.8%	0.6%	2.4%

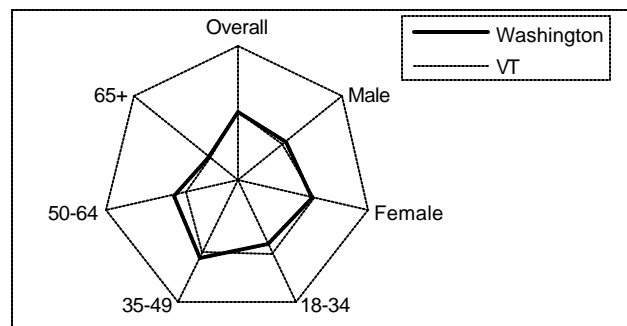
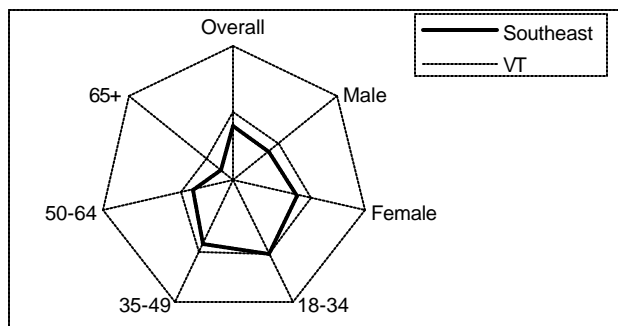
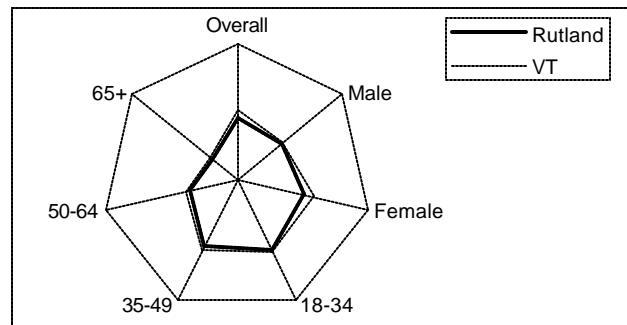
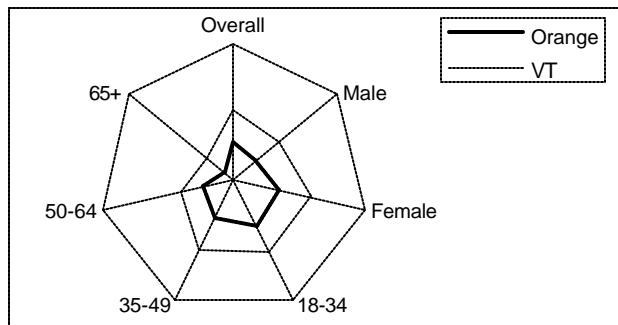
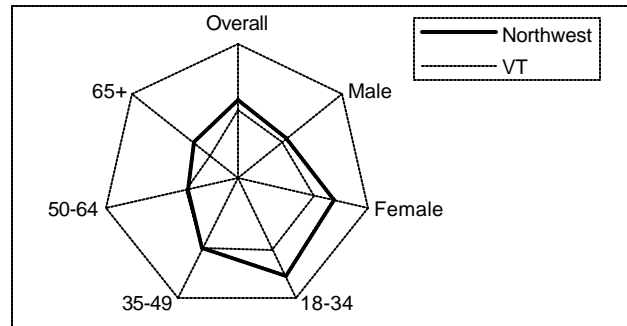
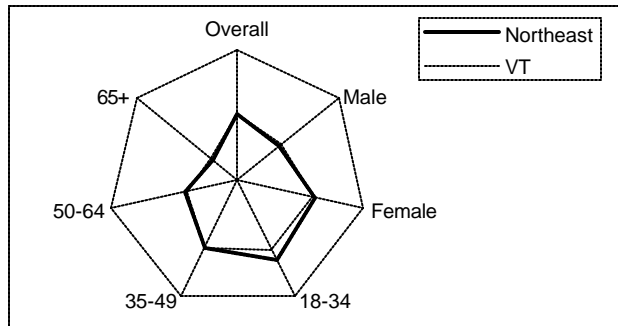
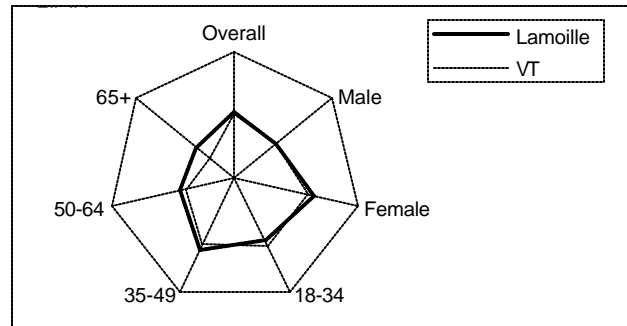
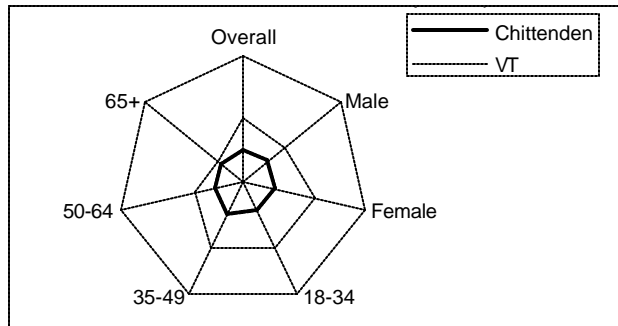
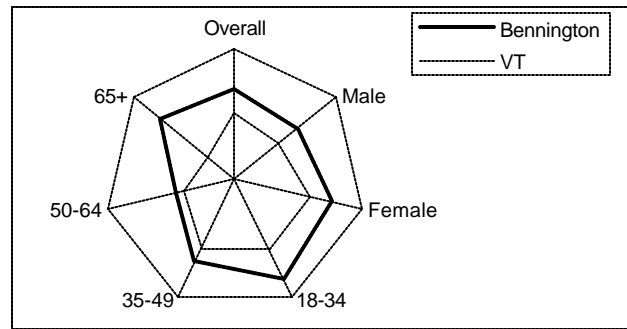
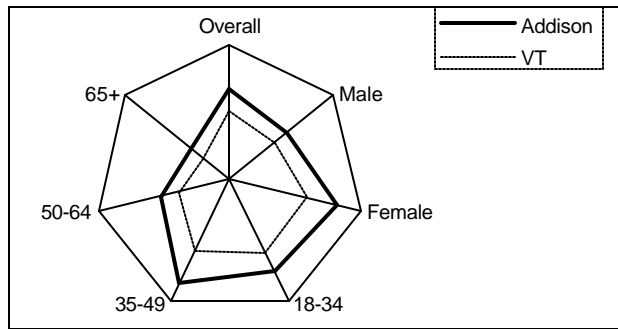
Analysis is based on Monthly Service Reports submitted to DDMHS by the designated agencies and includes adults 18 and over who were assigned to Community Rehabilitation and Treatment and Adult Outpatient Programs.

ACCESS TO ADULT MENTAL HEALTH SERVICES UTILIZATION RATES FOR SPECIFIED GROUPS BY REGION, VERMONT: FY 1999



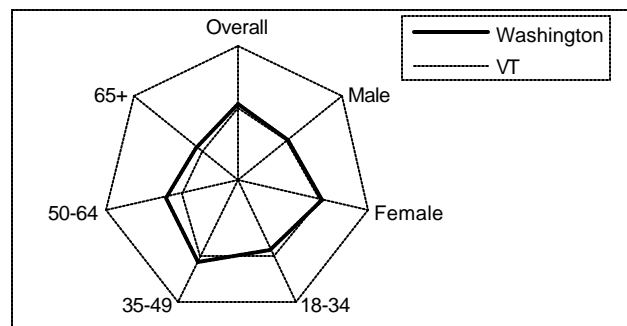
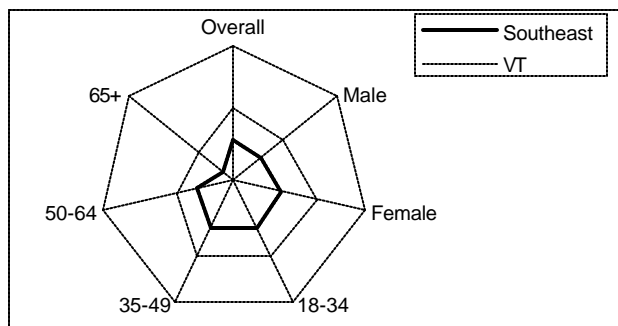
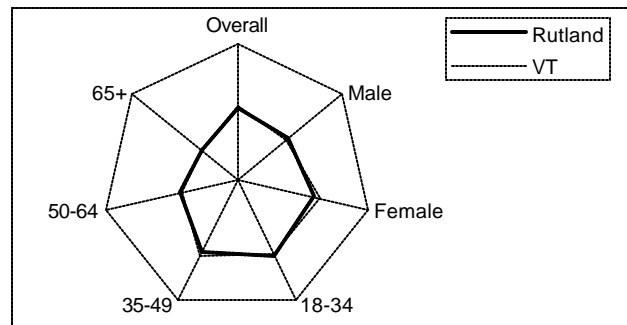
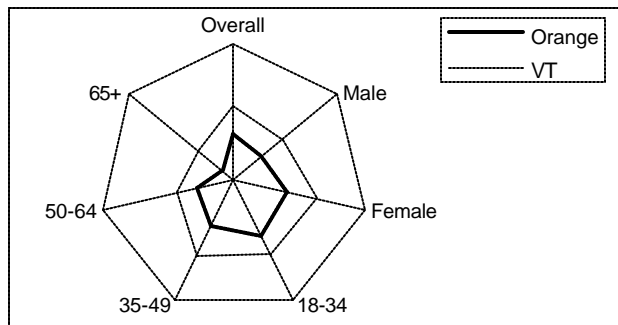
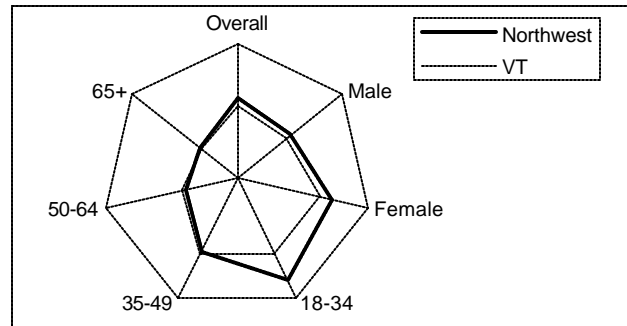
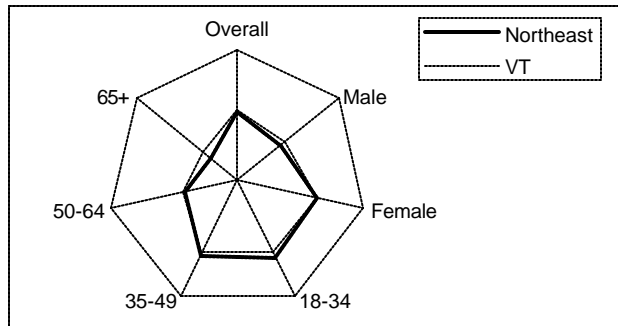
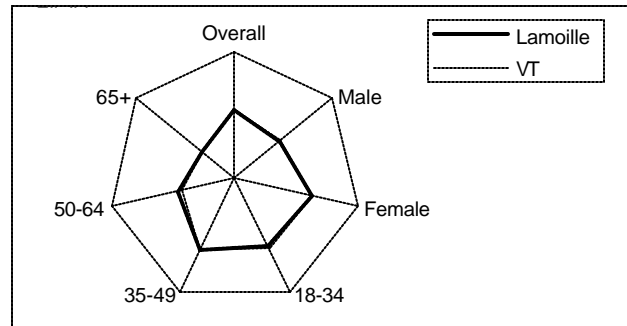
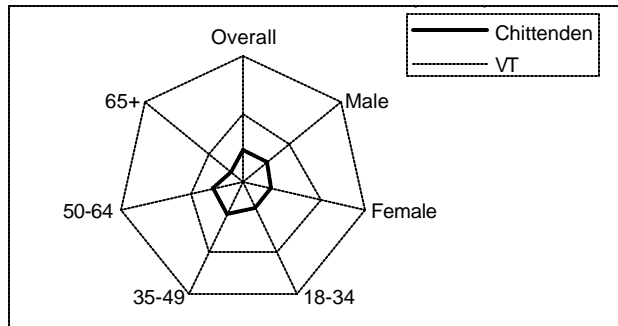
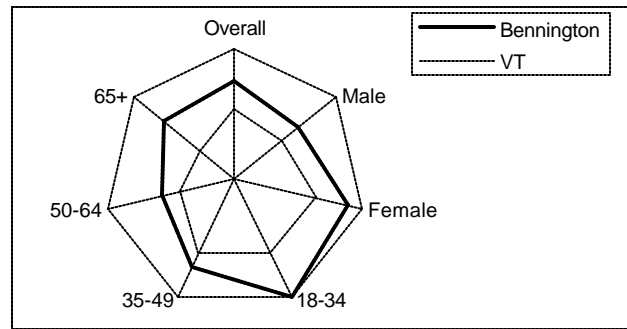
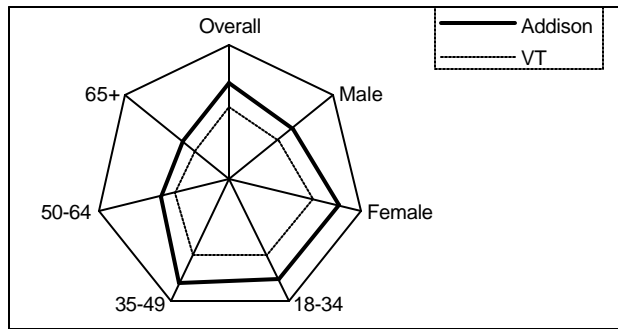
Each axis represents the per capita utilization rate for the specified group based on a scale of 0 - 5%. The intersection of the axis is 0.

ACCESS TO ADULT MENTAL HEALTH SERVICES UTILIZATION RATES FOR SPECIFIED GROUPS BY REGION, VERMONT: FY 2000



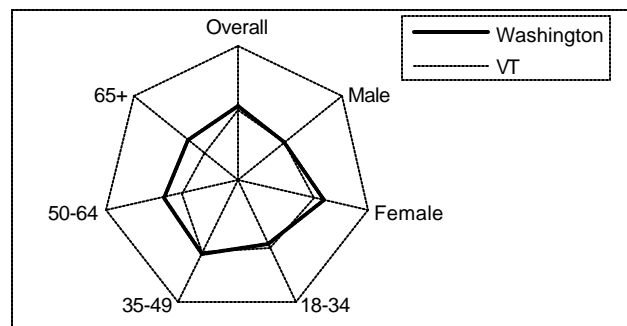
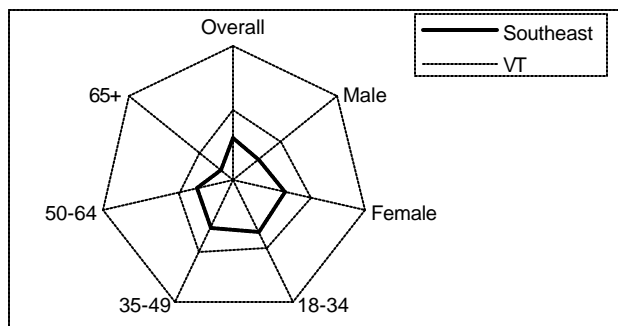
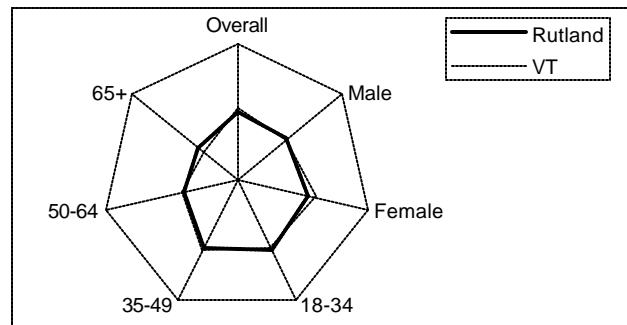
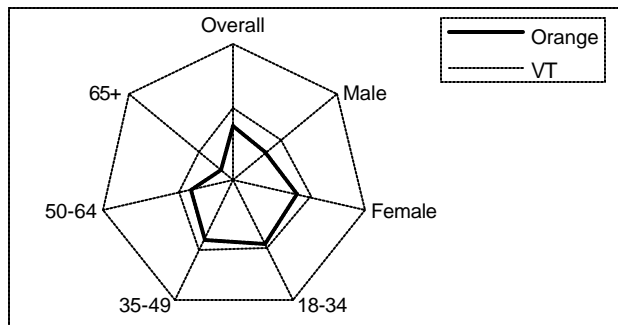
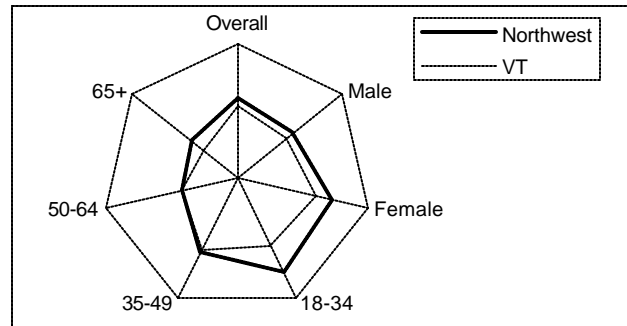
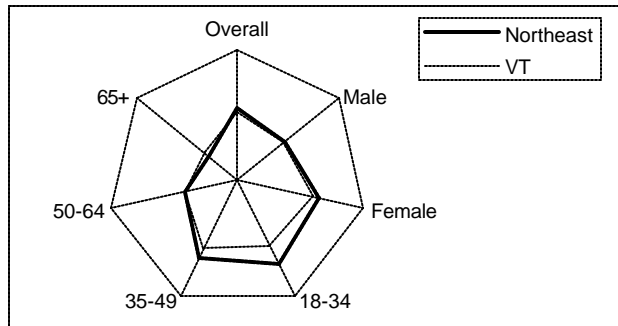
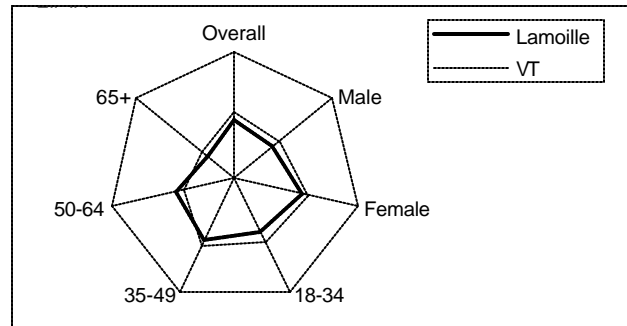
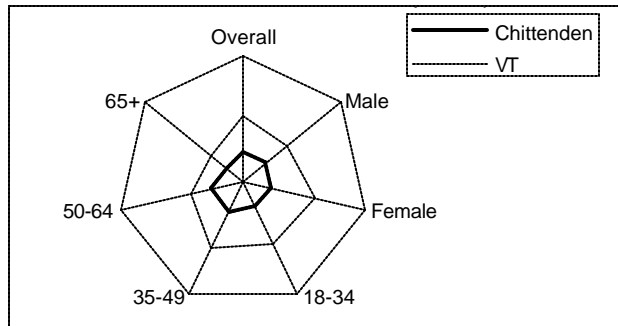
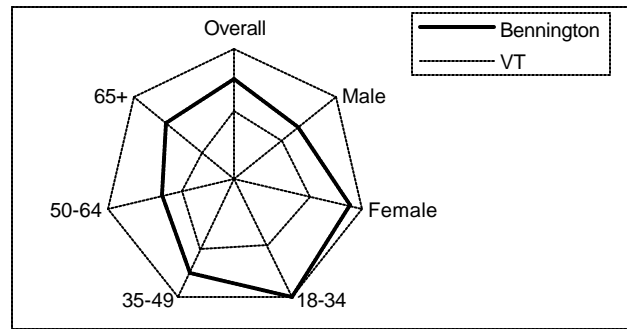
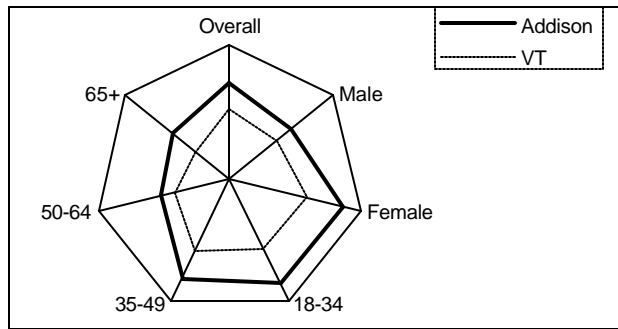
Each axis represents the per capita utilization rate for the specified group based on a scale of 0 - 5%. The intersection of the axis is 0.

ACCESS TO ADULT MENTAL HEALTH SERVICES UTILIZATION RATES FOR SPECIFIED GROUPS BY REGION, VERMONT: FY 2001



Each axis represents the per capita utilization rate for the specified group based on a scale of 0 - 5%. The intersection of the axis is 0.

ACCESS TO ADULT MENTAL HEALTH SERVICES UTILIZATION RATES FOR SPECIFIED GROUPS BY REGION, VERMONT: FY 2002



Each axis represents the per capita utilization rate for the specified group based on a scale of 0 - 5%. The intersection of the axis is 0.

ACCESS TO ADULT MENTAL HEALTH SERVICES BY REGION, VERMONT: FY 1999

Region/Provider			Overall	Age Groups				Gender	
				18-34	35-49	50-64	65+	Male	Female
Addison	- CSAC	Population	26,510	8,321	8,564	5,638	3,988	12,940	13,571
		Number Served	904	318	361	154	71	360	543
		Percent Served	3.4%	3.8%	4.2%	2.7%	1.8%	2.8%	4.0%
Bennington	- UCS	Population	28,236	6,750	8,721	6,598	6,167	13,207	15,029
		Number Served	864	249	281	129	205	332	532
		Percent Served	3.1%	3.7%	3.2%	2.0%	3.3%	2.5%	3.5%
Chittenden	- HCHS	Population	112,058	40,436	37,061	20,781	13,780	53,785	58,273
		Number Served	1,689	628	639	268	154	801	887
		Percent Served	1.5%	1.6%	1.7%	1.3%	1.1%	1.5%	1.5%
Lamoille	- LCMHS	Population	17,588	5,382	5,726	3,842	2,638	8,673	8,915
		Number Served	416	144	149	73	50	166	250
		Percent Served	2.4%	2.7%	2.6%	1.9%	1.9%	1.9%	2.8%
Northeast	-NEK	Population	46,668	11,911	14,766	10,786	9,205	22,759	23,909
		Number Served	1,148	388	439	223	98	471	677
		Percent Served	2.5%	3.3%	3.0%	2.1%	1.1%	2.1%	2.8%
Northwest	-NCSS	Population	37,847	10,518	13,424	8,051	5,854	18,554	19,293
		Number Served	905	323	326	152	104	375	530
		Percent Served	2.4%	3.1%	2.4%	1.9%	1.8%	2.0%	2.7%
Orange	- CMC	Population	27,512	6,745	9,383	6,458	4,926	13,442	14,070
		Number Served	393	131	149	86	27	144	249
		Percent Served	1.4%	1.9%	1.6%	1.3%	0.5%	1.1%	1.8%
Rutland	-RACS	Population	48,661	12,493	15,584	11,104	9,480	23,317	25,344
		Number Served	1,228	403	482	211	132	503	723
		Percent Served	2.5%	3.2%	3.1%	1.9%	1.4%	2.2%	2.9%
Southeast	- HCRSSV	Population	71,821	16,418	24,018	17,376	14,009	34,405	37,416
		Number Served	1,513	506	640	266	101	607	906
		Percent Served	2.1%	3.1%	2.7%	1.5%	0.7%	1.8%	2.4%
Washington	- WCMHS	Population	44,403	12,179	14,750	10,011	7,463	21,524	22,879
		Number Served	1,263	358	531	248	126	533	728
		Percent Served	2.8%	2.9%	3.6%	2.5%	1.7%	2.5%	3.2%
Statewide		Population	461,304	131,153	151,996	100,645	77,510	222,606	238,698
		Number Served	10,323	3,448	3,997	1,810	1,068	4,292	6,025
		Percent Served	2.2%	2.6%	2.6%	1.8%	1.4%	1.9%	2.5%

ACCESS TO ADULT MENTAL HEALTH SERVICES BY REGION, VERMONT: FY 2000

Region/Provider		Overall	Age Groups				Gender		
			18-34	35-49	50-64	65+	Male	Female	
Addison	- CSAC	Population	26,510	8,321	8,564	5,638	3,988	12,940	13,571
		Number Served	904	312	369	150	73	355	556
		Percent Served	3.4%	3.7%	4.3%	2.7%	1.8%	2.7%	4.1%
Bennington	- UCS	Population	28,236	6,750	8,721	6,598	6,167	13,207	15,029
		Number Served	974	289	306	154	225	407	573
		Percent Served	3.4%	4.3%	3.5%	2.3%	3.6%	3.1%	3.8%
Chittenden	- HCHS	Population	112,058	40,436	37,061	20,781	13,780	53,785	58,273
		Number Served	1,439	522	532	235	150	690	760
		Percent Served	1.3%	1.3%	1.4%	1.1%	1.1%	1.3%	1.3%
Lamoille	- LCMHS	Population	17,588	5,382	5,726	3,842	2,638	8,673	8,915
		Number Served	466	149	179	87	51	188	290
		Percent Served	2.6%	2.8%	3.1%	2.3%	1.9%	2.2%	3.3%
Northeast	-NEK	Population	46,668	11,911	14,766	10,786	9,205	22,759	23,909
		Number Served	1,177	413	433	222	109	463	725
		Percent Served	2.5%	3.5%	2.9%	2.1%	1.2%	2.0%	3.0%
Northwest	-NCSS	Population	37,847	10,518	13,424	8,051	5,854	18,554	19,293
		Number Served	1,100	431	395	154	120	434	709
		Percent Served	2.9%	4.1%	2.9%	1.9%	2.0%	2.3%	3.7%
Orange	- CMC	Population	27,512	6,745	9,383	6,458	4,926	13,442	14,070
		Number Served	380	132	153	75	20	144	239
		Percent Served	1.4%	2.0%	1.6%	1.2%	0.4%	1.1%	1.7%
Rutland	-RACS	Population	48,661	12,493	15,584	11,104	9,480	23,317	25,344
		Number Served	1,115	365	436	202	112	489	644
		Percent Served	2.3%	2.9%	2.8%	1.8%	1.2%	2.1%	2.5%
Southeast	- HCRSSV	Population	71,821	16,418	24,018	17,376	14,009	34,405	37,416
		Number Served	1,486	505	628	267	86	580	918
		Percent Served	2.1%	3.1%	2.6%	1.5%	0.6%	1.7%	2.5%
Washington	- WCMHS	Population	44,403	12,179	14,750	10,011	7,463	21,524	22,879
		Number Served	1,145	324	477	240	104	495	659
		Percent Served	2.6%	2.7%	3.2%	2.4%	1.4%	2.3%	2.9%
Statewide		Population	461,304	131,153	151,996	100,645	77,510	222,606	238,698
		Number Served	10,186	3,442	3,908	1,786	1,050	4,245	6,073
		Percent Served	2.2%	2.6%	2.6%	1.8%	1.4%	1.9%	2.5%

ACCESS TO ADULT MENTAL HEALTH SERVICES BY REGION, VERMONT: FY 2001

Region/Provider		Overall	Age Groups				Gender		
			18-34	35-49	50-64	65+	Male	Female	
Addison	- CSAC	Population	26,510	8,321	8,564	5,638	3,988	12,940	13,571
		Number Served	949	343	365	150	91	393	572
		Percent Served	3.6%	4.1%	4.3%	2.7%	2.3%	3.0%	4.2%
Bennington	- UCS	Population	28,236	6,750	8,721	6,598	6,167	13,207	15,029
		Number Served	1,061	339	322	186	214	409	671
		Percent Served	3.8%	5.0%	3.7%	2.8%	3.5%	3.1%	4.5%
Chittenden	- HCHS	Population	112,058	40,436	37,061	20,781	13,780	53,785	58,273
		Number Served	1,357	484	531	261	81	668	700
		Percent Served	1.2%	1.2%	1.4%	1.3%	0.6%	1.2%	1.2%
Lamoille	- LCMHS	Population	17,588	5,382	5,726	3,842	2,638	8,673	8,915
		Number Served	481	163	184	89	45	200	285
		Percent Served	2.7%	3.0%	3.2%	2.3%	1.7%	2.3%	3.2%
Northeast	-NEK	Population	46,668	11,911	14,766	10,786	9,205	22,759	23,909
		Number Served	1,222	401	479	222	120	480	750
		Percent Served	2.6%	3.4%	3.2%	2.1%	1.3%	2.1%	3.1%
Northwest	-NCSS	Population	37,847	10,518	13,424	8,051	5,854	18,554	19,293
		Number Served	1,119	446	411	157	105	477	699
		Percent Served	3.0%	4.2%	3.1%	2.0%	1.8%	2.6%	3.6%
Orange	- CMC	Population	27,512	6,745	9,383	6,458	4,926	13,442	14,070
		Number Served	455	159	179	90	27	177	286
		Percent Served	1.7%	2.4%	1.9%	1.4%	0.5%	1.3%	2.0%
Rutland	-RACS	Population	48,661	12,493	15,584	11,104	9,480	23,317	25,344
		Number Served	1,280	400	473	246	161	557	736
		Percent Served	2.6%	3.2%	3.0%	2.2%	1.7%	2.4%	2.9%
Southeast	- HCRSSV	Population	71,821	16,418	24,018	17,376	14,009	34,405	37,416
		Number Served	1,106	320	478	237	71	442	671
		Percent Served	1.5%	1.9%	2.0%	1.4%	0.5%	1.3%	1.8%
Washington	- WCMHS	Population	44,403	12,179	14,750	10,011	7,463	21,524	22,879
		Number Served	1,259	345	494	271	149	524	748
		Percent Served	2.8%	2.8%	3.3%	2.7%	2.0%	2.4%	3.3%
Statewide		Population	461,304	131,153	151,996	100,645	77,510	222,606	238,698
		Number Served	10,289	3,400	3,916	1,909	1,064	4,327	6,118
		Percent Served	2.2%	2.6%	2.6%	1.9%	1.4%	1.9%	2.6%

ACCESS TO ADULT MENTAL HEALTH SERVICES BY REGION, VERMONT: FY 2002

Region/Provider		Overall	Age Groups				Gender		
			18-34	35-49	50-64	65+	Male	Female	
Addison	- CSAC	Population	26,510	8,321	8,564	5,638	3,988	12,940	13,571
		Number Served	965	359	349	148	109	383	592
		Percent Served	3.6%	4.3%	4.1%	2.6%	2.7%	3.0%	4.4%
Bennington	- UCS	Population	28,236	6,750	8,721	6,598	6,167	13,207	15,029
		Number Served	1,082	340	346	187	209	411	677
		Percent Served	3.8%	5.0%	4.0%	2.8%	3.4%	3.1%	4.5%
Chittenden	- HCHS	Population	112,058	40,436	37,061	20,781	13,780	53,785	58,273
		Number Served	1,320	446	498	266	110	632	700
		Percent Served	1.2%	1.1%	1.3%	1.3%	0.8%	1.2%	1.2%
Lamoille	- LCMHS	Population	17,588	5,382	5,726	3,842	2,638	8,673	8,915
		Number Served	410	126	156	92	36	170	244
		Percent Served	2.3%	2.3%	2.7%	2.4%	1.4%	2.0%	2.7%
Northeast	-NEK	Population	46,668	11,911	14,766	10,786	9,205	22,759	23,909
		Number Served	1,283	430	498	224	131	525	767
		Percent Served	2.7%	3.6%	3.4%	2.1%	1.4%	2.3%	3.2%
Northwest	-NCSS	Population	37,847	10,518	13,424	8,051	5,854	18,554	19,293
		Number Served	1,123	412	412	170	129	496	701
		Percent Served	3.0%	3.9%	3.1%	2.1%	2.2%	2.7%	3.6%
Orange	- CMC	Population	27,512	6,745	9,383	6,458	4,926	13,442	14,070
		Number Served	549	180	235	106	28	209	342
		Percent Served	2.0%	2.7%	2.5%	1.6%	0.6%	1.6%	2.4%
Rutland	-RACS	Population	48,661	12,493	15,584	11,104	9,480	23,317	25,344
		Number Served	1,223	372	446	230	175	554	683
		Percent Served	2.5%	3.0%	2.9%	2.1%	1.8%	2.4%	2.7%
Southeast	- HCRSSV	Population	71,821	16,418	24,018	17,376	14,009	34,405	37,416
		Number Served	1,142	351	465	239	87	418	728
		Percent Served	1.6%	2.1%	1.9%	1.4%	0.6%	1.2%	1.9%
Washington	- WCMHS	Population	44,403	12,179	14,750	10,011	7,463	21,524	22,879
		Number Served	1,239	325	453	283	178	487	763
		Percent Served	2.8%	2.7%	3.1%	2.8%	2.4%	2.3%	3.3%
Statewide		Population	461,304	131,153	151,996	100,645	77,510	222,606	238,698
		Number Served	10,336	3,341	3,858	1,945	1,192	4,285	6,197
		Percent Served	2.2%	2.5%	2.5%	1.9%	1.5%	1.9%	2.6%